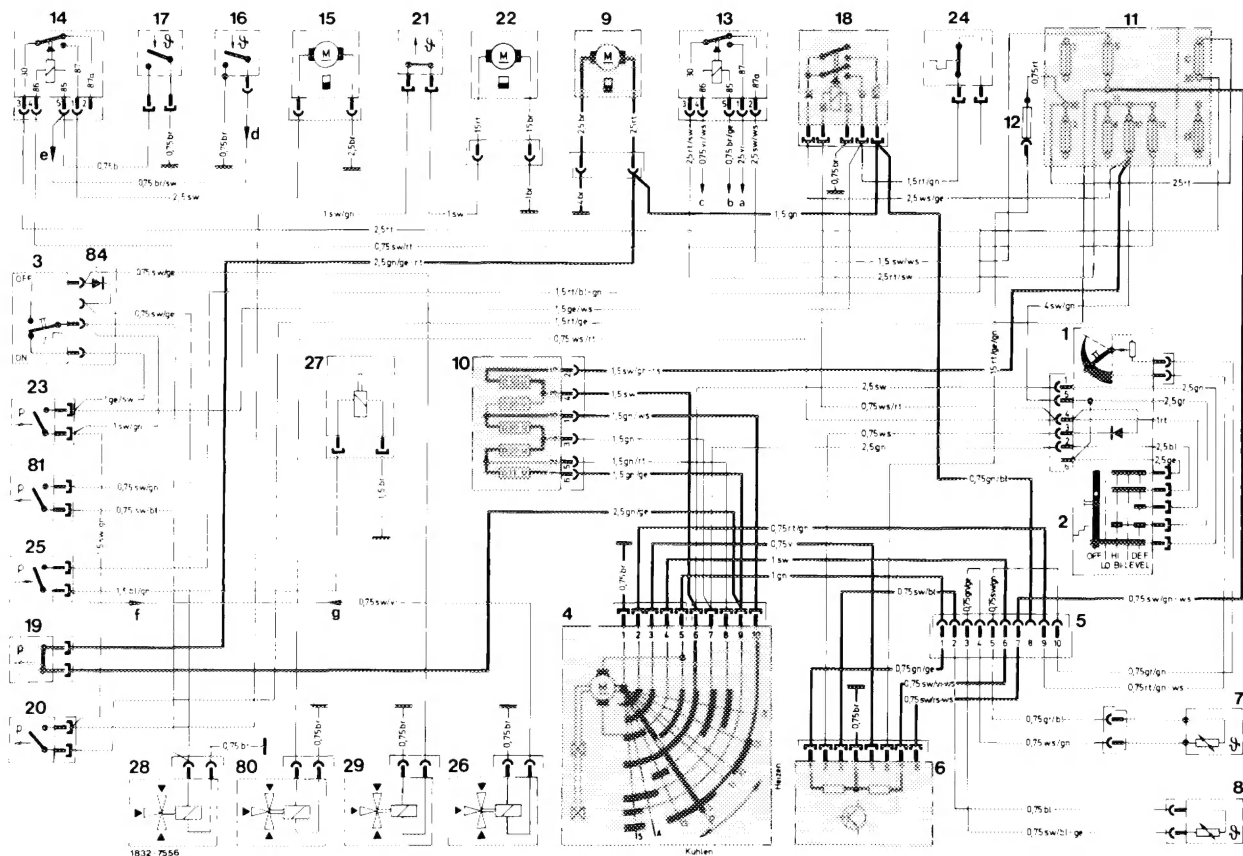


Blower control (regulating valve in position "P 2")

- |    |  |    |  |
|----|--|----|--|
| 1  | Temperature dial   | 20 | Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)                         |
| 2  | Pushbutton switch  | 21 | Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF                                   |
| 3  | “ON/OFF” switch refrigerant compressor   | 22 | Heating water pump   |
| 4  | Regulating valve   | 23 | Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at “BI-LEVEL” only) |
| 5  | 10-point plug connection for tester  | 24 | ETR-switch 2 °C (36 °F)  |
| 6  | Amplifier  | 25 | Pressure switch refrigerant compressor ON 2.6 bar gauge pressure (2.6 atü) OFF 2.0 bar gauge pressure (2.0 atü)      |
| 7  | In-car temperature sensor  | 26 | Switchover valve for constant speed (engine 110.984 only)  |
| 8  | Ambient temperature sensor   | 27 | Electromagnetic clutch for refrigerant compressor  |
| 9  | Blower   | 28 | Switchover valve for vacuum element of legroom flaps   |
| 10 | Pre-resistance for blower  | 29 | Switchover valve for vacuum element of fresh air-recirculated air flap   |
| 11 | Main fuse box  | 80 | Switchover valve “BI-LEVEL” (at “DEF”)   |
|    | Fuse 5 : 8 amps (standard fuse 86)   | 81 | Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at “BI-LEVEL” only)                             |
|    | Fuse 10 : 16 amps  | 84 | Diode  |
|    | Fuse 12 : 8 amps   | a  | Cable connector starter terminal 50  |
|    | Fuse c : 16 amps   | b  | Starter lockout and back-up lamp switch  |
| 12 | Additional fuse for amplifier (2 amps)   | c  | Ignition starter switch terminal 50  |
| 13 | Relay air conditioning system  | d  | Via relay ignition switchover terminal 85  |
| 14 | Relay auxiliary fan  | e  | Via relay decoupling terminal 30   |
| 15 | Auxiliary fan  | f  | Via relay ignition switchover terminal 87a   |
| 16 | Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan       | g  | Via relay ignition switchover terminal 30  |
| 17 | Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan       |    |  |
| 18 | Double contact relay   |    |  |
| 19 | Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) |    |  |

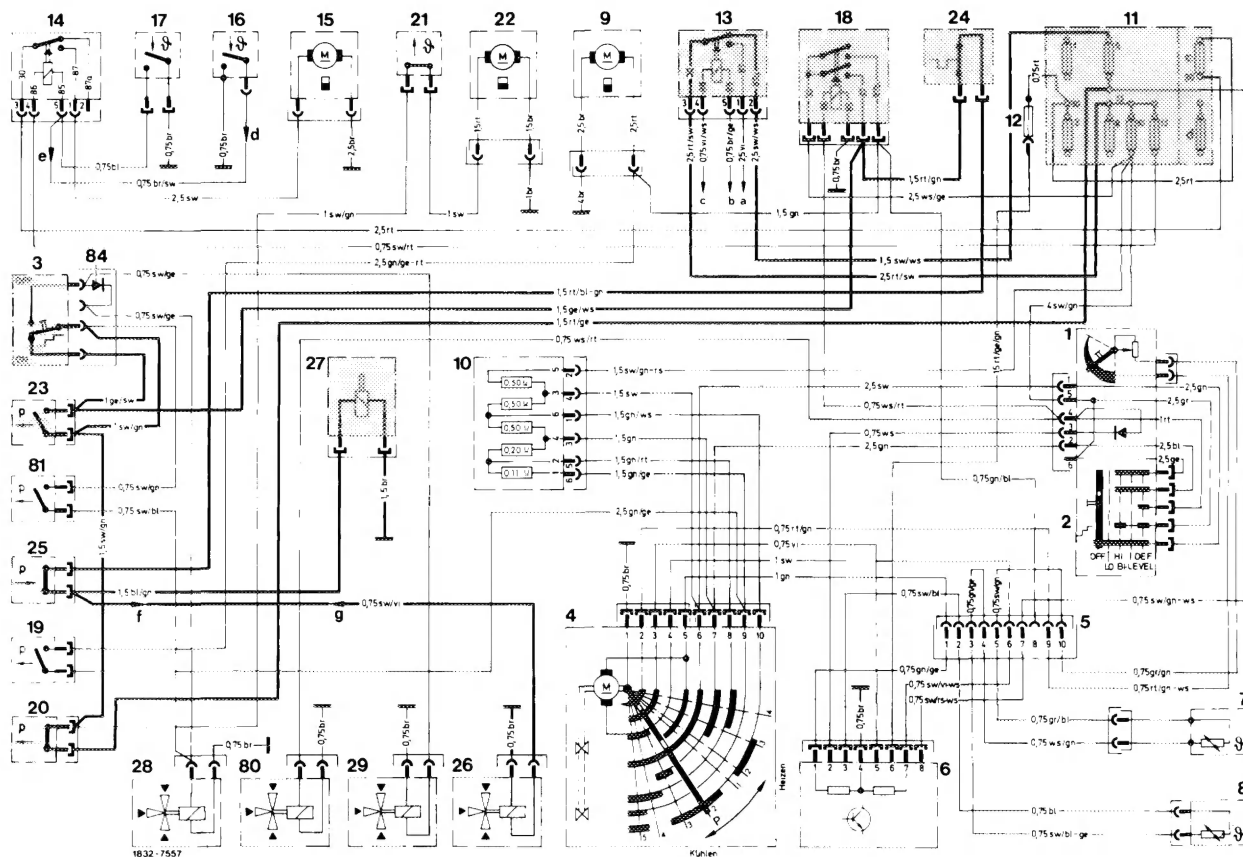




Wiring diagram 2

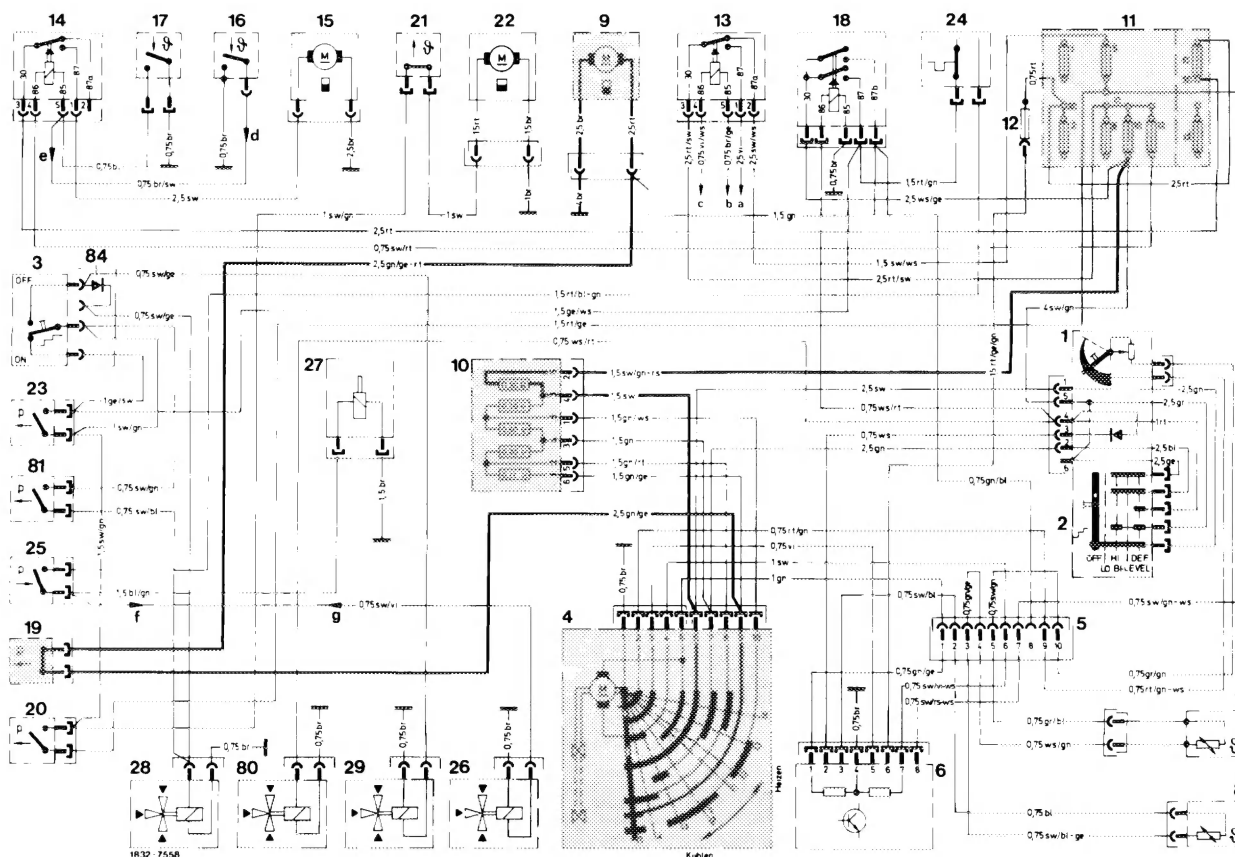
Blower control, position "park" and "AUTO-LO" (regulating valve in position "P 2")

- |   |   |
|---|---|
| 1 Temperature dial  | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)                         |
| 2 Pushbutton switch   | 21 Temperature switch for heating water pump (22)   |
| 3 "ON/OFF" switch refrigerant compressor  | 22 Heating water pump   |
| 4 Regulating valve  | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 5 10-point plug connection for tester   | 24 ETR-switch 2 °C (36 °F)  |
| 6 Amplifier   | 25 Pressure switch refrigerant compressor   |
| 7 In-car temperature sensor   | ON 2.6 bar gauge pressure (2.6 atu)   |
| 8 Ambient temperature sensor  | OFF 2.0 bar gauge pressure (2.0 atu)  |
| 9 Blower  | 26 Switchover valve for constant speed (engine 110.984 only)  |
| 10 Pre-resistance for blower  | 27 Electromagnetic clutch for refrigerant compressor  |
| 11 Main fuse box  | 28 Switchover valve for vacuum element of legroom flaps   |
| Fuse 5 : 8 amps (standard fuse 86)  | 29 Switchover valve for vacuum element of fresh air-recirculated air flap   |
| Fuse 10 : 16 amps   | 80 Switchover valve "BI-LEVEL" (at "DEF")   |
| Fuse 12 : 8 amps  | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)                             |
| Fuse c : 16 amps  | 84 Diode  |
| 12 Additional fuse for amplifier (2 amps)   | a Cable connector starter terminal 50   |
| 13 Relay air conditioning system  | b Starter lockout and back-up lamp switch   |
| 14 Relay auxiliary fan  | c Ignition starter switch terminal 50   |
| 15 Auxiliary fan  | d Via relay ignition switchover terminal 85   |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan       | e Via relay decoupling terminal 30  |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan       | f Via relay ignition switchover terminal 87a  |
| 18 Double contact relay   | g Via relay ignition switchover terminal 30   |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) |   |



Wiring diagram 2  
Refrigerant compressor control

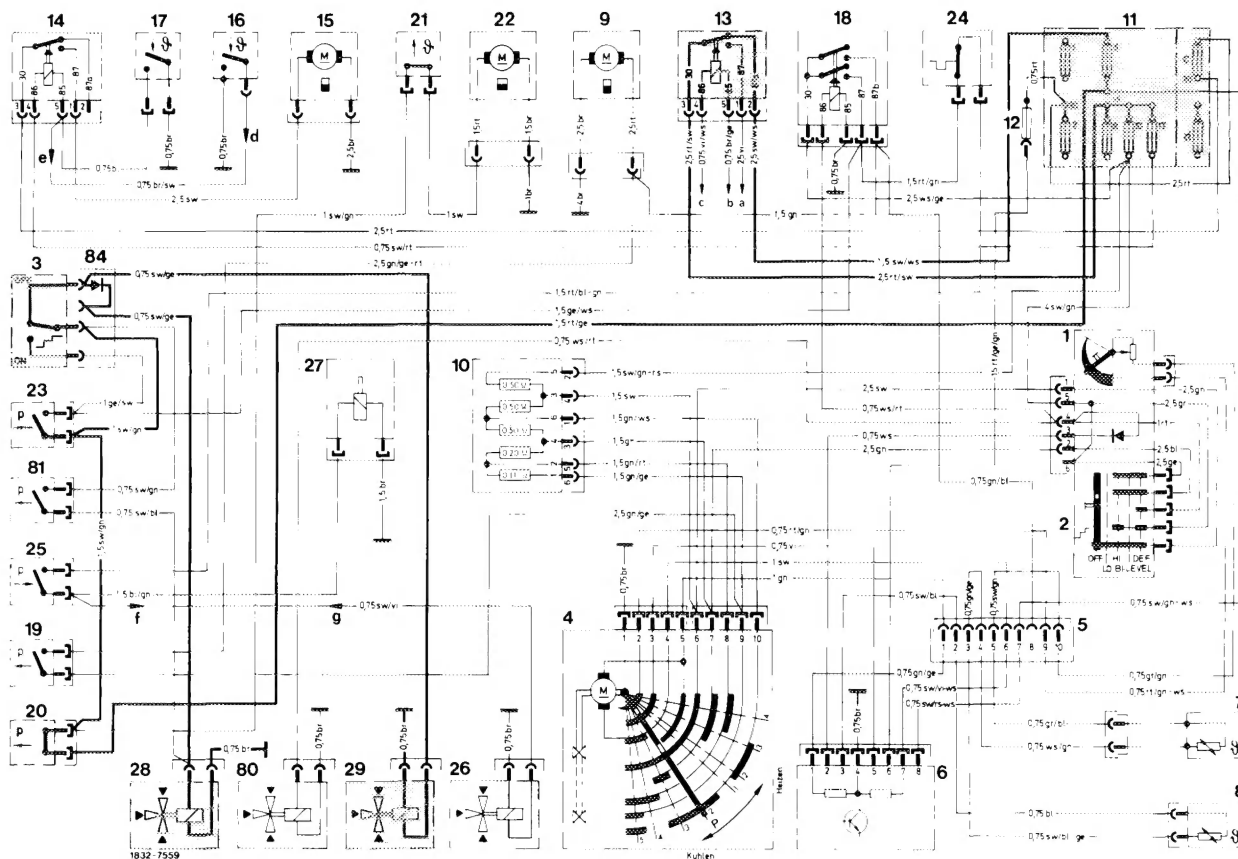
- |   |   |
|---|---|
| 1 Temperature dial  | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)                         |
| 2 Pushbutton switch   | 21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF                                   |
| 3 "ON/OFF" switch refrigerant compressor  | 22 Heating water pump   |
| 4 Regulating valve  | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 5 10-point plug connection for tester   | 24 ETR-switch 2 °C (36 °F)  |
| 6 Amplifier   | 25 Pressure switch refrigerant compressor ON 2.6 bar gauge pressure (2.6 atu) OFF 2.0 bar gauge pressure (2.0 atu)      |
| 7 In-car temperature sensor   | 26 Switchover valve for constant speed (engine 110.984 only)  |
| 8 Ambient temperature sensor  | 27 Electromagnetic clutch for refrigerant compressor  |
| 9 Blower  | 28 Switchover valve for vacuum element of legroom flaps   |
| 10 Pre-resistance for blower  | 29 Switchover valve for vacuum element of fresh air-recirculated air flap   |
| 11 Main fuse box<br>Fuse 5 : 8 amps (standard fuse 86)<br>Fuse 10 : 16 amps<br>Fuse 12 : 8 amps<br>Fuse c : 16 amps | 80 Switchover valve "BI-LEVEL" (at "DEF")   |
| 12 Additional fuse for amplifier (2 amps)   | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)                             |
| 13 Relay air conditioning system  | 84 Diode  |
| 14 Relay auxiliary fan  | a Cable connector starter terminal 50   |
| 15 Auxiliary fan  | b Starter lockout and back-up lamp switch   |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan                                       | c Ignition starter switch terminal 50   |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan                                       | d Via relay ignition switchover terminal 85 } engine  |
| 18 Double contact relay   | e Via relay decoupling terminal 30 } 110.984 only   |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)                                 | f Via relay ignition switchover terminal 87a } (countries with  |
|   | g Via relay ignition switchover terminal 30 } emission control)   |



Wiring diagram 3

Blower control, stage 5 "LO" (regulating valve in position 5)

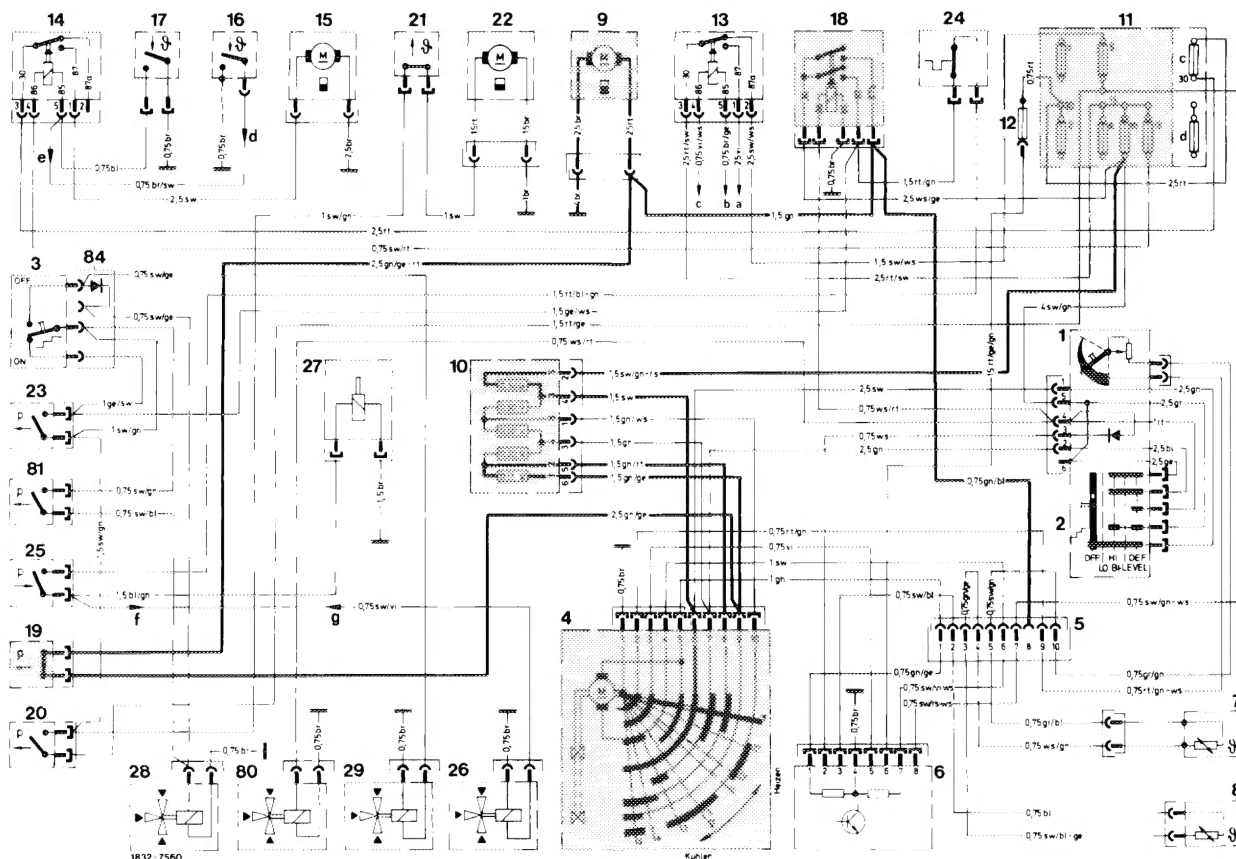
- |   |  |
|---|--|
| 1 Temperature dial  | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)                          |
| 2 Pushbutton switch   | 21 Temperature switch for heating water pump (22)<br>16 °C (61 °F) ON, 26 °C (79 °F) OFF                                 |
| 3 "ON/OFF" switch refrigerant compressor  | 22 Heating water pump  |
| 4 Regulating valve  | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)  |
| 5 10-point plug connection for tester   | 24 ETR-switch 2 °C (36 °F)   |
| 6 Amplifier   | 25 Pressure switch refrigerant compressor<br>ON 2.6 bar gauge pressure (2.6 atu)<br>OFF 2.0 bar gauge pressure (2.0 atu) |
| 7 In-car temperature sensor   | 26 Switchover valve for constant speed (engine 110.984 only)   |
| 8 Ambient temperature sensor  | 27 Electromagnetic clutch for refrigerant compressor   |
| 9 Blower  | 28 Switchover valve for vacuum element of legroom flaps  |
| 10 Pre-resistance for blower  | 29 Switchover valve for vacuum element of fresh air-recirculated air flap  |
| 11 Main fuse box<br>Fuse 5 : 8 amps (standard fuse 86)<br>Fuse 10 : 16 amps<br>Fuse 12 : 8 amps<br>Fuse c : 16 amps | 80 Switchover valve "BI-LEVEL" (at "DEF")  |
| 12 Additional fuse for amplifier (2 amps)   | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)                              |
| 13 Relay air conditioning system  | 84 Diode   |
| 14 Relay auxiliary fan  | a Cable connector starter terminal 50  |
| 15 Auxiliary fan  | b Starter lockout and back-up lamp switch  |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan                                       | c Ignition starter switch terminal 50  |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan                                       | d Via relay ignition switchover terminal 85 } engine   |
| 18 Double contact relay   | e Via relay decoupling terminal 30 } 110.984 only  |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)                                 | f Via relay ignition switchover terminal 87a } (countries with   |
|   | g Via relay ignition switchover terminal 30 } emission control)  |



Wiring diagram 4

Control for switchover valves 28 and 29 (switch 3 for refrigerant compressor at "OFF")

- |   |   |
|---|---|
| 1 Temperature dial  | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)                         |
| 2 Pushbutton switch   | 21 Temperature switch for heating water pump (22)   |
| 3 "ON/OFF" switch refrigerant compressor  | 16 °C (61 °F) ON, 26 °C (79 °F) OFF   |
| 4 Regulating valve  | 22 Heating water pump   |
| 5 10-point plug connection for tester   | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 6 Amplifier   | 24 ETR-switch 2 °C (36 °F)  |
| 7 In-car temperature sensor   | 25 Pressure switch refrigerant compressor   |
| 8 Ambient temperature sensor  | ON 2.6 bar gauge pressure (2.6 atu)   |
| 9 Blower  | OFF 2.0 bar gauge pressure (2.0 atu)  |
| 10 Pre-resistance for blower  | 26 Switchover valve for constant speed (engine 110.984 only)  |
| 11 Main fuse box  | 27 Electromagnetic clutch for refrigerant compressor  |
| Fuse 5 : 8 amps (standard fuse 86)  | 28 Switchover valve for vacuum element of legroom flaps   |
| Fuse 10 : 16 amps   | 29 Switchover valve for vacuum element of fresh air-recirculated air flap   |
| Fuse 12 : 8 amps  | 30 Switchover valve "BI-LEVEL" (at "DEF")   |
| Fuse c : 16 amps  | 31 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)                             |
| 12 Additional fuse for amplifier (2 amps)   | 32 Diode  |
| 13 Relay air conditioning system  | a Cable connector starter terminal 50   |
| 14 Relay auxiliary fan  | b Starter lockout and back-up lamp switch   |
| 15 Auxiliary fan  | c Ignition starter switch terminal 50   |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan       | d Via relay ignition switchover terminal 85   |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan       | e Via relay decoupling terminal 30  |
| 18 Double contact relay   | f Via relay ignition switchover terminal 87a  |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) | g Via relay ignition switchover terminal 30   |

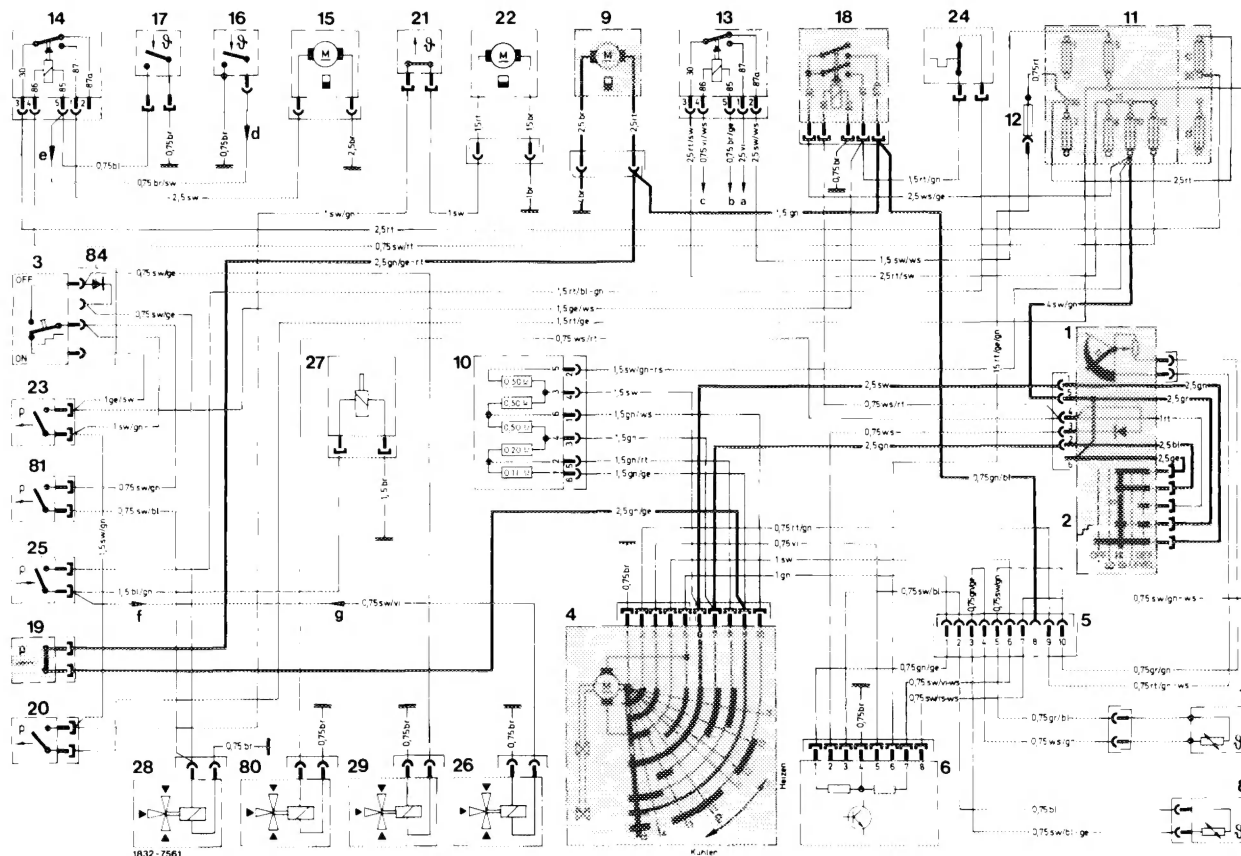


Wiring diagram 5

Blower control, stage 4 "LO" (regulating valve in position 4)

- 1 Temperature dial
- 2 Pushbutton switch
- 3 "ON/OFF" switch refrigerant compressor
- 4 Regulating valve
- 5 10-point plug connection for tester
- 6 Amplifier
- 7 In-car temperature sensor
- 8 Ambient temperature sensor
- 9 Blower
- 10 Pre-resistance for blower
- 11 Main fuse box
  - Fuse 5 : 8 amps (standard fuse 86)
  - Fuse 10 : 16 amps
  - Fuse 12 : 8 amps
  - Fuse c : 16 amps
- 12 Additional fuse for amplifier (2 amps)
- 13 Relay air conditioning system
- 14 Relay auxiliary fan
- 15 Auxiliary fan
- 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
- 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
- 18 Double contact relay
- 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
- 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
- 21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
- 22 Heating water pump
- 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
- 24 ETR-switch 2 °C (36 °F)
- 25 Pressure switch refrigerant compressor
  - ON 2.6 bar gauge pressure (2.6 atu)
  - OFF 2.0 bar gauge pressure (2.0 atu)
- 26 Switchover valve for constant speed (engine 110.984 only)
- 27 Electromagnet clutch for refrigerant compressor
- 28 Switchover valve for vacuum element of legroom flaps
- 29 Switchover valve for vacuum element of fresh air-recirculated air flap
- 80 Switchover valve "BI-LEVEL" (at "DEF")
- 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
- 84 Diode
  - a Cable connector starter terminal 50
  - b Starter lockout and back-up lamp switch
  - c Ignition starter switch terminal 50
  - d Via relay ignition switchover terminal 85 } engine
  - e Via relay decoupling terminal 30 } 110.984 only
  - f Via relay ignition switchover terminal 87a } (countries with
  - g Via relay ignition switchover terminal 30 } emission control)



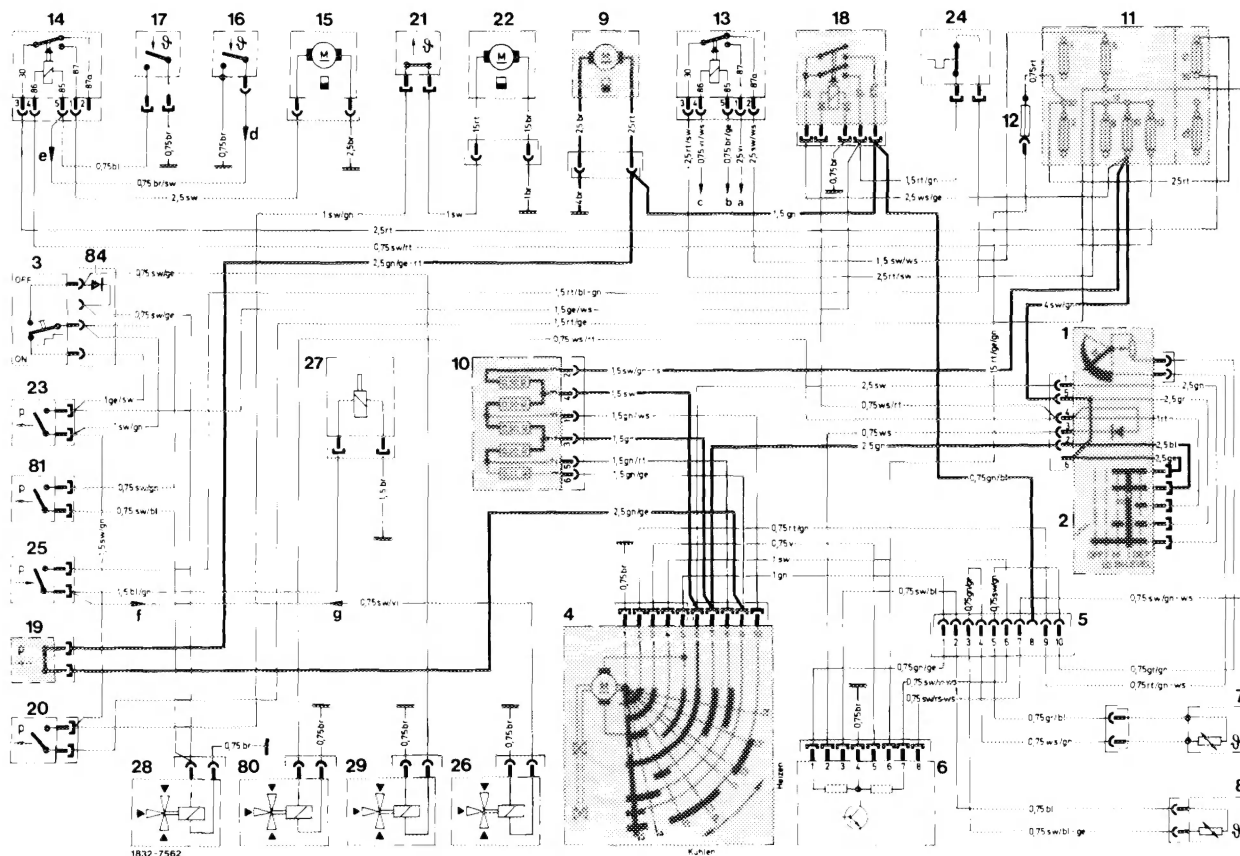


Wiring diagram 6

Blower control, stage 3 "HI" (regulating valve in position 5)

- |   |   |
|---|---|
| 1 Temperature dial  | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)                         |
| 2 Pushbutton switch   | 21 Temperature switch for heating water pump (22)   |
| 3 "ON/OFF" switch refrigerant compressor  | 16 °C (61 °F) ON, 26 °C (79 °F) OFF   |
| 4 Regulating valve  | 22 Heating water pump   |
| 5 10-point plug connection for tester   | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 6 Amplifier   | 24 ETR-switch 2 °C (36 °F)  |
| 7 In-car temperature sensor   | 25 Pressure switch refrigerant compressor   |
| 8 Ambient temperature sensor  | ON 2.6 bar gauge pressure (2.6 atu)   |
| 9 Blower  | OFF 2.0 bar gauge pressure (2.0 atu)  |
| 10 Pre-resistance for blower  | 26 Switchover valve for constant speed (engine 110.984 only)  |
| 11 Main fuse box  | 27 Electromagnetic clutch for refrigerant compressor  |
| Fuse 5 : 8 amps (standard fuse 86)  | 28 Switchover valve for vacuum element of legroom flaps   |
| Fuse 10 : 16 amps   | 29 Switchover valve for vacuum element of fresh air-recirculated air flap   |
| Fuse 12 : 8 amps  | 80 Switchover valve "BI-LEVEL" (at "DEF")   |
| Fuse c : 16 amps  | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)                             |
| 12 Additional fuse for amplifier (2 amps)   | 84 Diode  |
| 13 Relay air conditioning system  | a Cable connector starter terminal 50   |
| 14 Relay auxiliary fan  | b Starter lockout and back-up lamp switch   |
| 15 Auxiliary fan  | c Ignition starter switch terminal 50   |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan       | d Via relay ignition switchover terminal 85 } engine  |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan       | e Via relay decoupling terminal 30 } 110.984 only   |
| 18 Double contact relay   | f Via relay ignition switchover terminal 87a } (countries with  |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) | g Via relay ignition switchover terminal 30 } emission control)   |

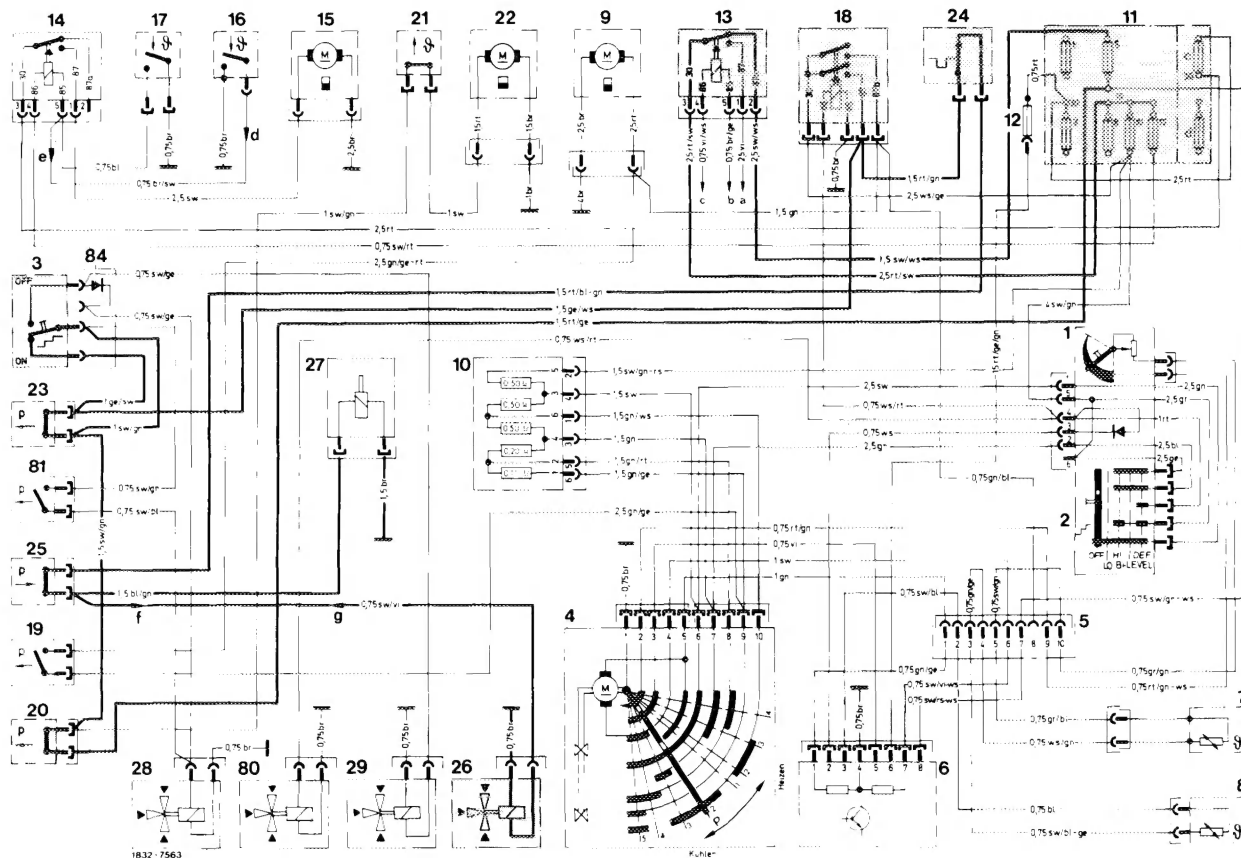




Wiring diagram 7

Blower control, stage 2 "BI-LEVEL" (AC), (regulating valve in position 5)

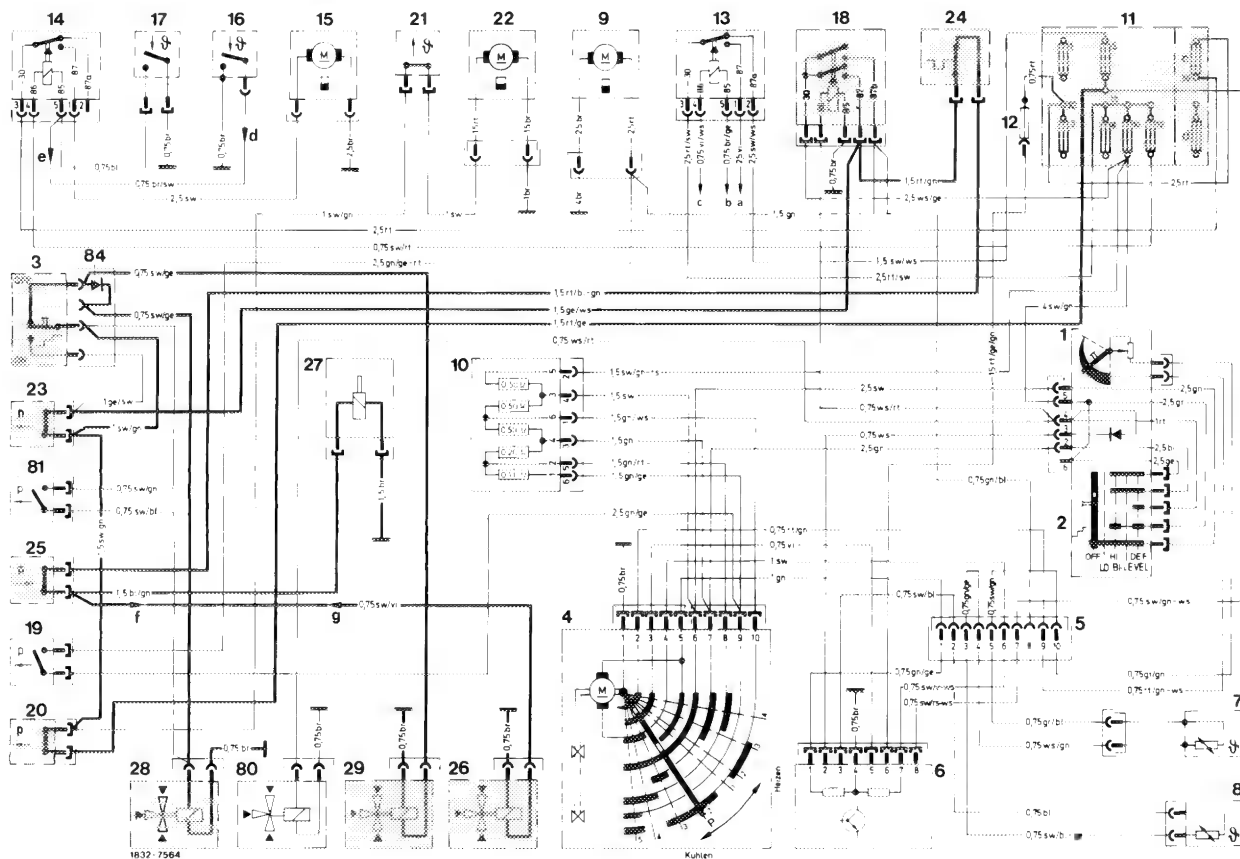
- |   |   |
|---|---|
| 1 Temperature dial  | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)                         |
| 2 Pushbutton switch   | 21 Temperature switch for heating water pump (22)   |
| 3 "ON/OFF" switch refrigerant compressor  | 16 °C (61 °F) ON, 26 °C (79 °F) OFF   |
| 4 Regulating valve  | 22 Heating water pump   |
| 5 10-point plug connection for tester   | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 6 Amplifier   | 24 ETR-switch 2 °C (36 °F)  |
| 7 In-car temperature sensor   | 25 Pressure switch refrigerant compressor   |
| 8 Ambient temperature sensor  | ON 2.6 bar gauge pressure (2.6 atu)   |
| 9 Blower  | OFF 2.0 bar gauge pressure (2.0 atu)  |
| 10 Pre-resistance for blower  | 26 Switchover valve for constant speed (engine 110.984 only)  |
| 11 Main fuse box  | 27 Electromagnetic clutch for refrigerant compressor  |
| Fuse 5 : 8 amps (standard fuse 86)  | 28 Switchover valve for vacuum element of legroom flaps   |
| Fuse 10 : 16 amps   | 29 Switchover valve for vacuum element of fresh air-recirculated air flap   |
| Fuse 12 : 8 amps  | 30 Switchover valve "BI-LEVEL" (at "DEF")   |
| Fuse c : 16 amps  | 31 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)                             |
| 12 Additional fuse for amplifier (2 amps)   | 32 Diode  |
| 13 Relay air conditioning system  | 33 Cable connector starter terminal 50  |
| 14 Relay auxiliary fan  | 34 Starter lockout and back-up lamp switch  |
| 15 Auxiliary fan  | 35 Ignition starter switch terminal 50  |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan       | 36 Via relay ignition switchover terminal 85  |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan       | 37 Via relay decoupling terminal 30   |
| 18 Double contact relay   | 38 Via relay ignition switchover terminal 87a   |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) | 39 Via relay ignition switchover terminal 30  |
|   | engine 110.984 only (countries with emission control)   |



Wiring diagram 8

Refrigerant compressor control at "BI-LEVEL" (switch 3 for refrigerant compressor at "ON")

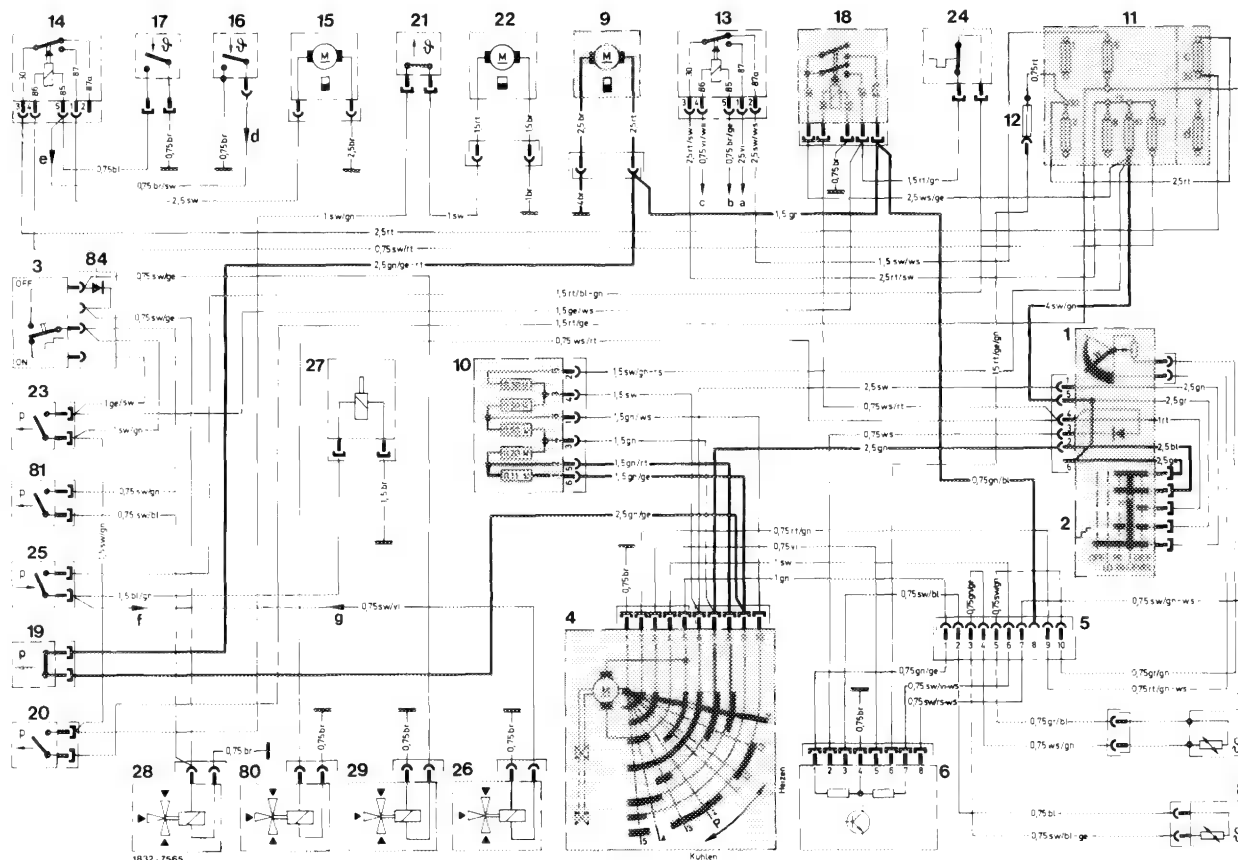
- |   |  |
|---|--|
| 1 Temperature dial  | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)                          |
| 2 Pushbutton switch   | 21 Temperature switch for heating water pump (22)<br>16 °C (61 °F) ON, 26 °C (79 °F) OFF                                 |
| 3 "ON/OFF" switch refrigerant compressor  | 22 Heating water pump  |
| 4 Regulating valve  | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)  |
| 5 10-point plug connection for tester   | 24 ETR-switch 2 °C (36 °F)   |
| 6 Amplifier   | 25 Pressure switch refrigerant compressor<br>ON 2.6 bar gauge pressure (2.6 atu)<br>OFF 2.0 bar gauge pressure (2.0 atu) |
| 7 In-car temperature sensor   | 26 Switchover valve for constant speed (engine 110.984 only)   |
| 8 Ambient temperature sensor  | 27 Electromagnetic clutch for refrigerant compressor   |
| 9 Blower  | 28 Switchover valve for vacuum element of legroom flaps  |
| 10 Pre-resistance for blower  | 29 Switchover valve for vacuum element of fresh air-recirculated air flap  |
| 11 Main fuse box<br>Fuse 5 : 8 amps (standard fuse 86)<br>Fuse 10 : 16 amps<br>Fuse 12 : 8 amps<br>Fuse c : 16 amps | 80 Switchover valve "BI-LEVEL" (at "DEF")  |
| 12 Additional fuse for amplifier (2 amps)   | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)                              |
| 13 Relay air conditioning system  | 84 Diode   |
| 14 Relay auxiliary fan  | a Cable connector starter terminal 50  |
| 15 Auxiliary fan  | b Starter lockout and back-up lamp switch  |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan                                       | c Ignition starter switch terminal 50  |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan                                       | d Via relay ignition switchover terminal 85  |
| 18 Double contact relay   | e Via relay decoupling terminal 30   |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)                                 | f Via relay ignition switchover terminal 87a   |
|   | g Via relay ignition switchover terminal 30  |



Wiring diagram 8 a

Refrigerant compressor control at "BI-LEVEL" (switch 3 for refrigerant compressor at "OFF")

- |   |  |
|---|--|
| 1 Temperature dial  | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)                          |
| 2 Pushbutton switch   | 21 Temperature switch for heating water pump (22)<br>16 °C (61 °F) ON, 26 °C (79 °F) OFF                                 |
| 3 "ON/OFF" switch refrigerant compressor  | 22 Heating water pump  |
| 4 Regulating valve  | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)  |
| 5 10-point plug connection for tester   | 24 ETR-switch 2 °C (36 °F)   |
| 6 Amplifier   | 25 Pressure switch refrigerant compressor<br>ON 2.6 bar gauge pressure (2.6 atu)<br>OFF 2.0 bar gauge pressure (2.0 atu) |
| 7 In-car temperature sensor   | 26 Solenoid valve for constant speed (engine 110.984 only)   |
| 8 Ambient temperature sensor  | 27 Electromagnetic clutch for refrigerant compressor   |
| 9 Blower  | 28 Solenoid valve for vacuum element of legroom flaps  |
| 10 Pre-resistance for blower  | 29 Solenoid valve for vacuum element of fresh air-recirculated air flap  |
| 11 Main fuse box<br>Fuse 5 : 8 amps (standard fuse 86)<br>Fuse 10 : 16 amps<br>Fuse 12 : 8 amps<br>Fuse c : 16 amps | 80 Solenoid valve "BI-LEVEL" (at "DEF")  |
| 12 Additional fuse for amplifier (2 amps)   | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)                              |
| 13 Relay air conditioning system  | 84 Diode   |
| 14 Relay auxiliary fan  | a Cable connector starter terminal 50  |
| 15 Auxiliary fan  | b Starter lockout and back-up lamp switch  |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan                                       | c Ignition starter switch terminal 50  |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan                                       | d Via relay ignition switchover terminal 85  |
| 18 Double contact relay   | e Via relay decoupling terminal 30   |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)                                 | f Via relay ignition switchover terminal 87a   |
|   | g Via relay ignition switchover terminal 30  |
- engine 110.984 only (countries with emission control)

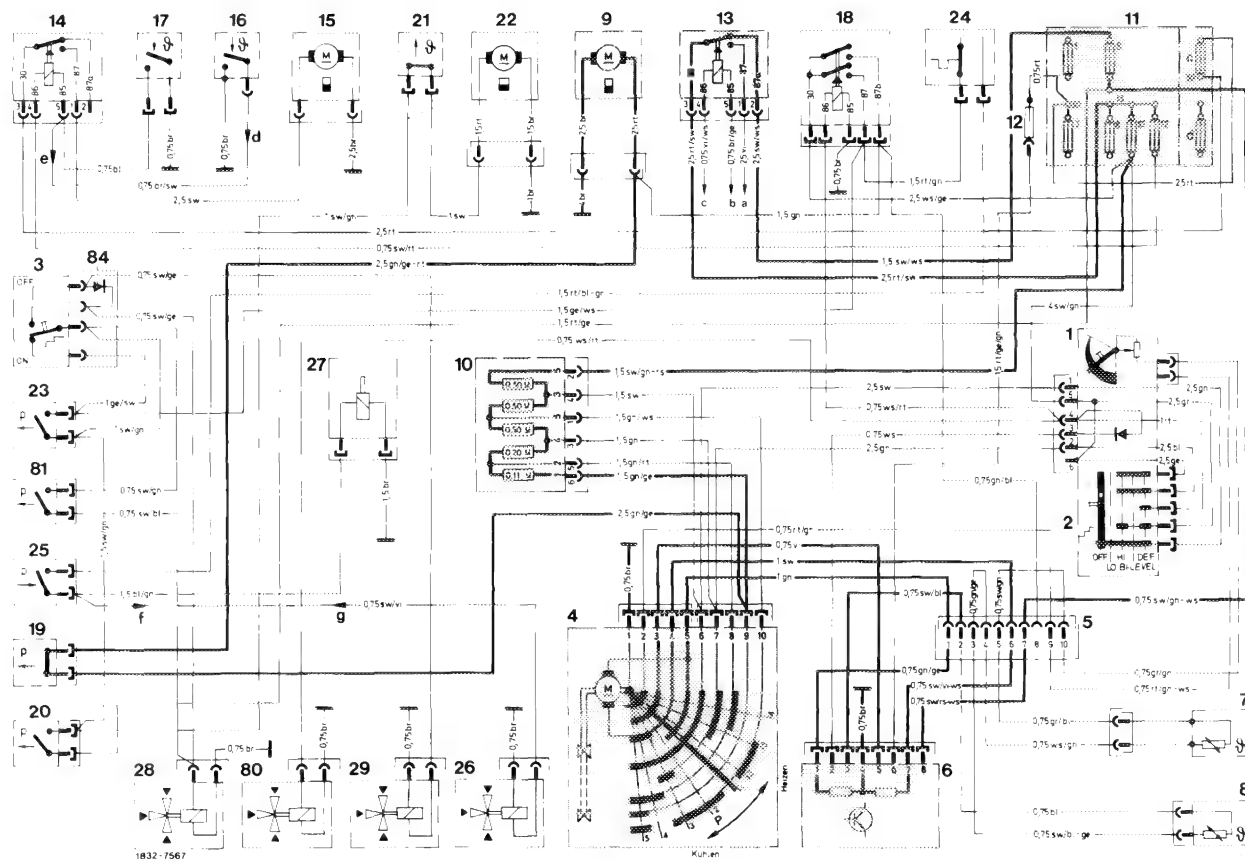


Wiring diagram 9

Blower control, stage 2 "BI-LEVEL" (heat), (regulating valve in position 4)

- |   |  |
|---|--|
| 1 Temperature dial  | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)                          |
| 2 Pushbutton switch   | 21 Temperature switch for heating water pump (22)<br>16 °C (61 °F) ON, 26 °C (79 °F) OFF                                 |
| 3 "ON/OFF" switch refrigerant compressor  | 22 Heating water pump  |
| 4 Regulating valve  | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)  |
| 5 10-point plug connection for tester   | 24 ETR-switch 2 °C (36 °F)   |
| 6 Amplifier   | 25 Pressure switch refrigerant compressor<br>ON 2.6 bar gauge pressure (2.6 atu)<br>OFF 2.0 bar gauge pressure (2.0 atu) |
| 7 In-car temperature sensor   | 26 Switchover valve for constant speed (engine 110.984 only)   |
| 8 Ambient temperature sensor  | 27 Electromagnetic clutch for refrigerant compressor   |
| 9 Blower  | 28 Switchover valve for vacuum element of legroom flaps  |
| 10 Pre-resistance for blower  | 29 Switchover valve for vacuum element of fresh air-recirculated air flap  |
| 11 Main fuse box<br>Fuse 5 : 8 amps (standard fuse 86)<br>Fuse 10 : 16 amps<br>Fuse 12 : 8 amps<br>Fuse c : 16 amps | 80 Switchover valve "BI-LEVEL" (at "DEF")  |
| 12 Additional fuse for amplifier (2 amps)   | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)                              |
| 13 Relay air conditioning system  | 84 Diode   |
| 14 Relay auxiliary fan  | a Cable connector starter terminal 50  |
| 15 Auxiliary fan  | b Starter lockout and back-up lamp switch  |
| 16 Temperature switch 100 °C (212 °F)<br>in thermostat housing for auxiliary fan                                    | c Ignition starter switch terminal 50  |
| 17 Temperature switch 62 °C (142 °F)<br>in receiver dehydrator for auxiliary fan                                    | d Via relay ignition switchover terminal 85  |
| 18 Double contact relay   | e Via relay decoupling terminal 30   |
| 19 Vacuum switch<br>(main switch, closes with vacuum higher than 175 mbar or 0.18 atu)                              | f Via relay ignition switchover terminal 87a   |
|   | g Via relay ignition switchover terminal 30  |

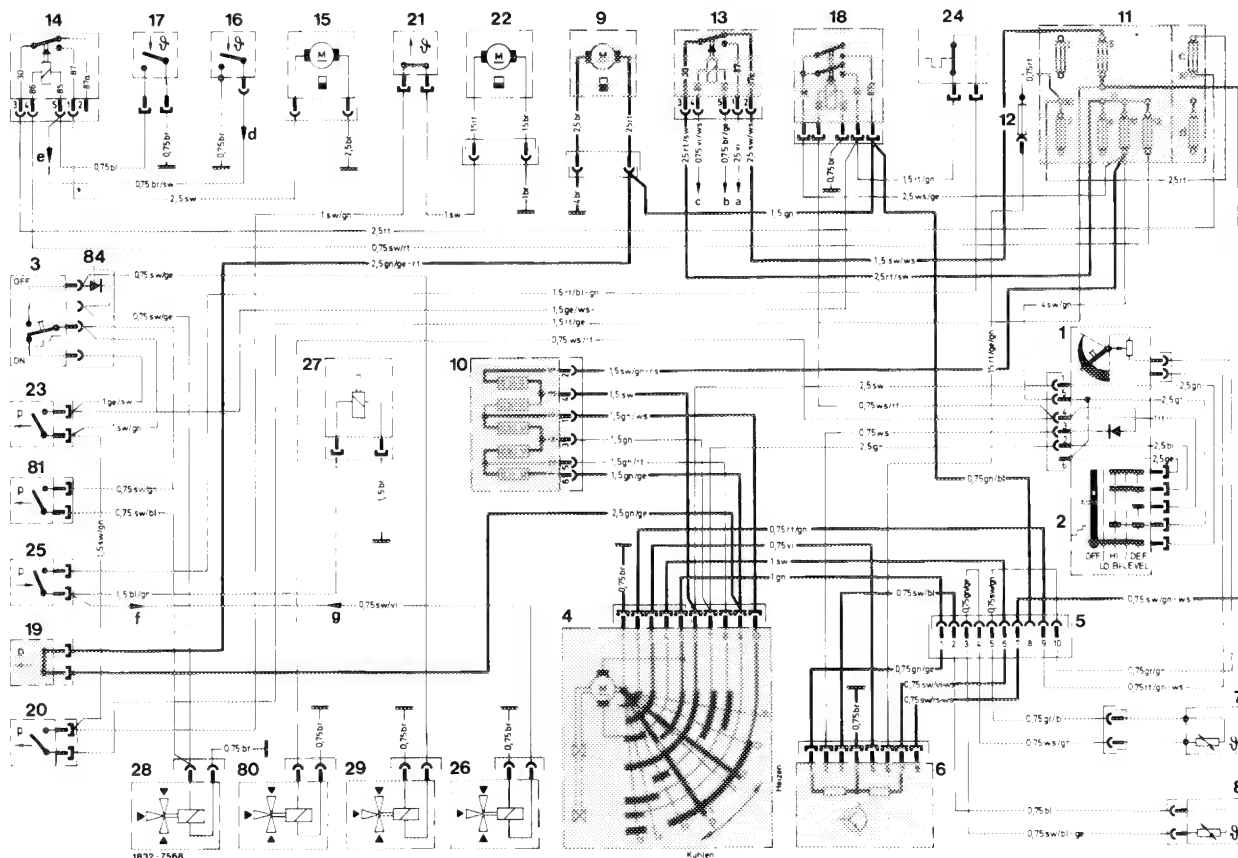




Wiring diagram 11

Blower control, stage 1 "LO" (regulating valve in position 1)

- |   |   |
|---|---|
| 1 Temperature dial  | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)                         |
| 2 Pushbutton switch   | 21 Temperature switch for heating water pump (22)   |
| 3 "ON/OFF" switch refrigerant compressor  | 16 °C (61 °F) ON, 26 °C (79 °F) OFF   |
| 4 Regulating valve  | 22 Heating water pump   |
| 5 10-point plug connection for tester   | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 6 Amplifier   | 24 ETR-switch 2 °C (36 °F)  |
| 7 In-car temperature sensor   | 25 Pressure switch refrigerant compressor   |
| 8 Ambient temperature sensor  | ON 2.6 bar gauge pressure (2.6 atu)   |
| 9 Blower  | OFF 2.0 bar gauge pressure (2.0 atu)  |
| 10 Pre-resistance for blower  | 26 Switchover valve for constant speed (engine 110.984 only)  |
| 11 Main fuse box  | 27 Electromagnetic clutch for refrigerant compressor  |
| Fuse 5 : 8 amps (standard fuse 86)  | 28 Switchover valve for vacuum element of legroom flaps   |
| Fuse 10 : 16 amps   | 29 Switchover valve for vacuum element of fresh air-recirculated air flap   |
| Fuse 12 : 8 amps  | 80 Switchover valve "BI-LEVEL" (at "DEF")   |
| Fuse c : 16 amps  | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)                             |
| 12 Additional fuse for amplifier (2 amps)   | 84 Diode  |
| 13 Relay air conditioning system  | a Cable connector starter terminal 50   |
| 14 Relay auxiliary fan  | b Starter lockout and back-up lamp switch   |
| 15 Auxiliary fan  | c Ignition starter switch terminal 50   |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan       | d Via relay ignition switchover terminal 85   |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan       | e Via relay decoupling terminal 30  |
| 18 Double contact relay   | f Via relay ignition switchover terminal 87a  |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) | g Via relay ignition switchover terminal 30   |
|   | engine 110.984 only (countries with emission control)   |

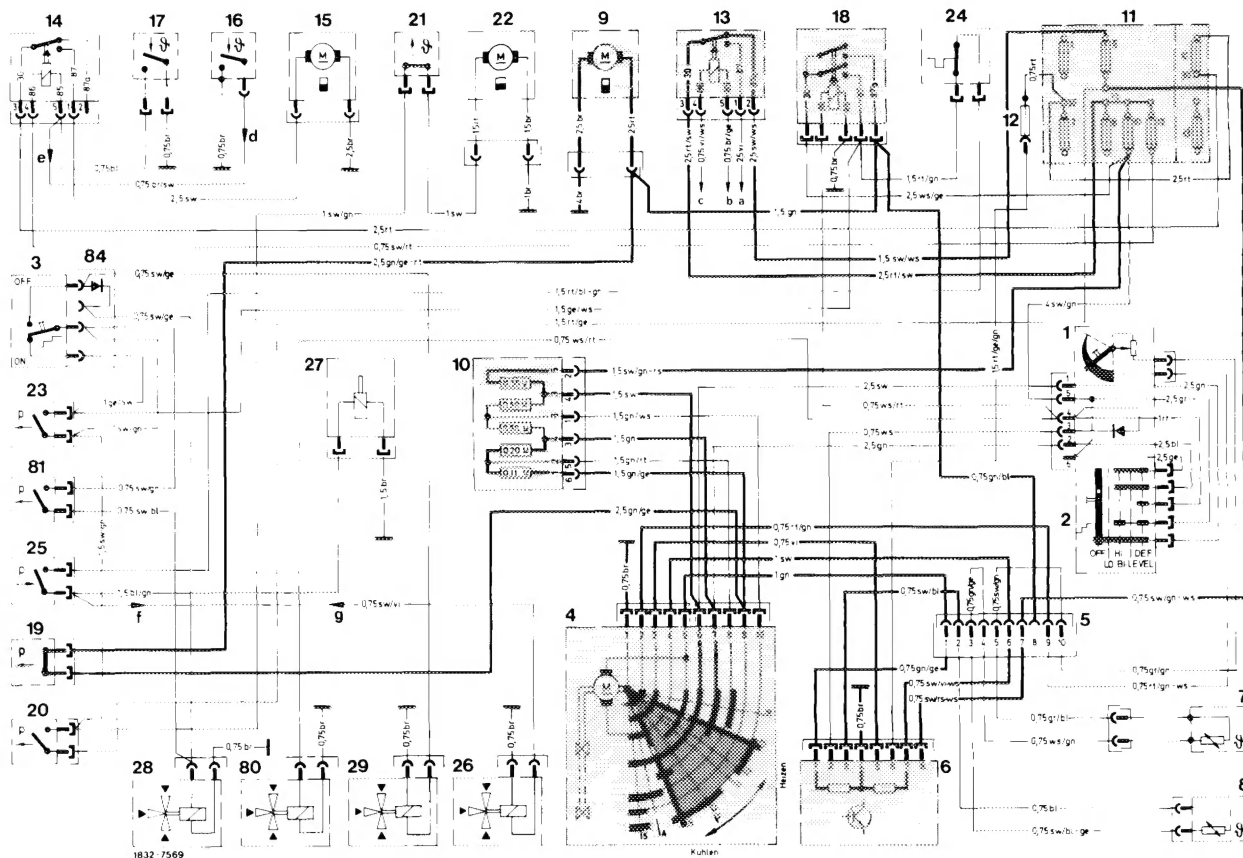


Wiring diagram 12

Blower control, stage 2 "LO" (regulating valve in position 2)

- |   |   |
|---|---|
| 1 Temperature dial  | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)                         |
| 2 Pushbutton switch   | 21 Temperature switch for heating water pump (22)   |
| 3 "ON/OFF" switch refrigerant compressor  | 16 °C (61 °F) ON, 26 °C (79 °F) OFF   |
| 4 Regulating valve  | 22 Heating water pump   |
| 5 10-point plug connection for tester   | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 6 Amplifier   | 24 ETR-switch 2 °C (36 °F)  |
| 7 In-car temperature sensor   | 25 Pressure switch refrigerant compressor   |
| 8 Ambient temperature sensor  | ON 2.6 bar gauge pressure (2.6 atu)   |
| 9 Blower  | OFF 2.0 bar gauge pressure (2.0 atu)  |
| 10 Pre-resistance for blower  | 26 Switchover valve for constant speed (engine 110.984 only)  |
| 11 Main fuse box  | 27 Electromagnetic clutch for refrigerant compressor  |
| Fuse 5 : 8 amps (standard fuse 86)  | 28 Switchover valve for vacuum element of legroom flaps   |
| Fuse 10 : 16 amps   | 29 Switchover valve for vacuum element of fresh air-recirculated air flap   |
| Fuse 12 : 8 amps  | 80 Switchover valve "BI-LEVEL" (at "DEF")   |
| Fuse c : 16 amps  | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)                             |
| 12 Additional fuse for amplifier (2 amps)   | 84 Diode  |
| 13 Relay air conditioning system  | a Cable connector starter terminal 50   |
| 14 Relay auxiliary fan  | b Starter lockout and back-up lamp switch   |
| 15 Auxiliary fan  | c Ignition starter switch terminal 50   |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan       | d Via relay ignition switchover terminal 85 } engine  |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan       | e Via relay decoupling terminal 30 } 110.984 only   |
| 18 Double contact relay   | f Via relay ignition switchover terminal 87a } (countries with  |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) | g Via relay ignition switchover terminal 30 } emission control)   |

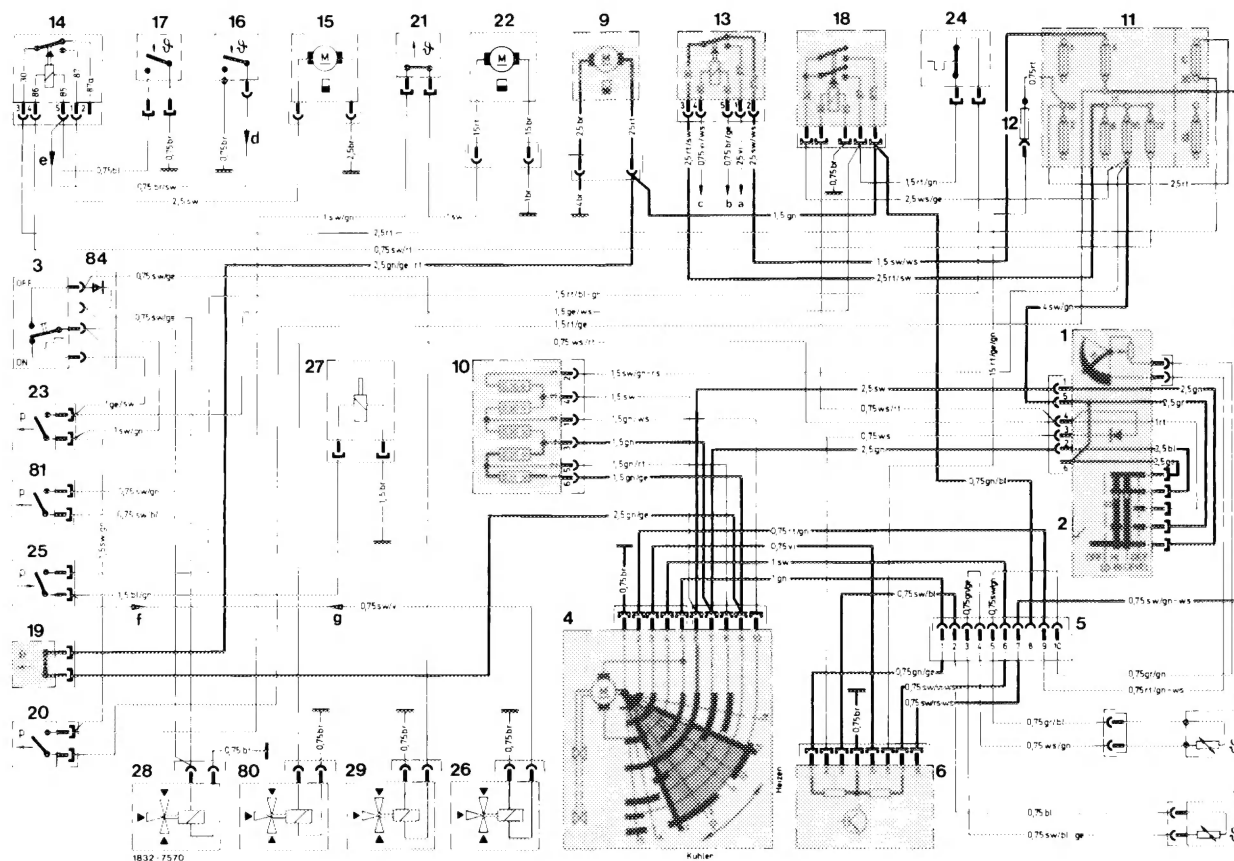




Wiring diagram 13

Blower control, stage 3 "LO" (regulating valve in position 3)

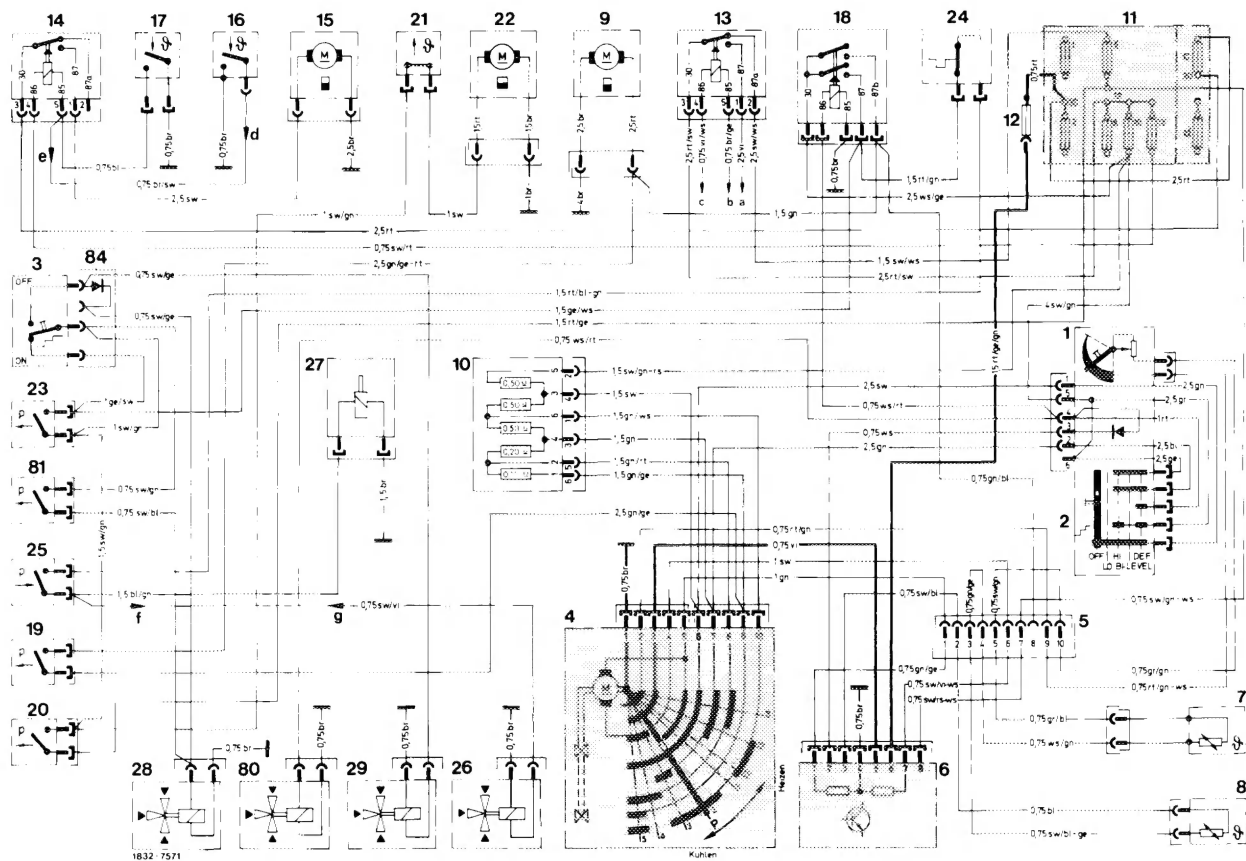
- |   |   |
|---|---|
| 1 Temperature dial  | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)                         |
| 2 Pushbutton switch   | 21 Temperature switch for heating water pump (22)   |
| 3 "ON/OFF" switch refrigerant compressor  | 16 °C (61 °F) ON, 26 °C (79 °F) OFF   |
| 4 Regulating valve  | 22 Heating water pump   |
| 5 10-point plug connection for tester   | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 6 Amplifier   | 24 ETR-switch 2 °C (36 °F)  |
| 7 In-car temperature sensor   | 25 Pressure switch refrigerant compressor   |
| 8 Ambient temperature sensor  | ON 2.6 bar gauge pressure (2.6 atu)   |
| 9 Blower  | OFF 2.0 bar gauge pressure (2.0 atu)  |
| 10 Pre-resistance for blower  | 26 Switchover valve for constant speed (engine 110.984 only)  |
| 11 Main fuse box  | 27 Electromagnetic clutch for refrigerant compressor  |
| Fuse 5 : 8 amps (standard fuse 86)  | 28 Switchover valve for vacuum element of legroom flaps   |
| Fuse 10 : 16 amps   | 29 Switchover valve for vacuum element of fresh air-recirculated air flap   |
| Fuse 12 : 8 amps  | 30 Switchover valve "BI-LEVEL" (at "DEF")   |
| Fuse c : 16 amps  | 31 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)                             |
| 12 Additional fuse for amplifier (2 amps)   | 32 Diode  |
| 13 Relay air conditioning system  | a Cable connector starter terminal 50   |
| 14 Relay auxiliary fan  | b Starter lockout and back-up lamp switch   |
| 15 Auxiliary fan  | c Ignition starter switch terminal 50   |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan       | d Via relay ignition switchover terminal 85 } engine  |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan       | e Via relay decoupling terminal 30 } 110.984 only   |
| 18 Double contact relay   | f Via relay ignition switchover terminal 87a } (countries with  |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) | g Via relay ignition switchover terminal 30 } emission control)   |



Wiring diagram 14

Blower control, stage 1 "HI" and "BI-LEVEL", (regulating valve in position 3 "heating" to position 3 "cooling")

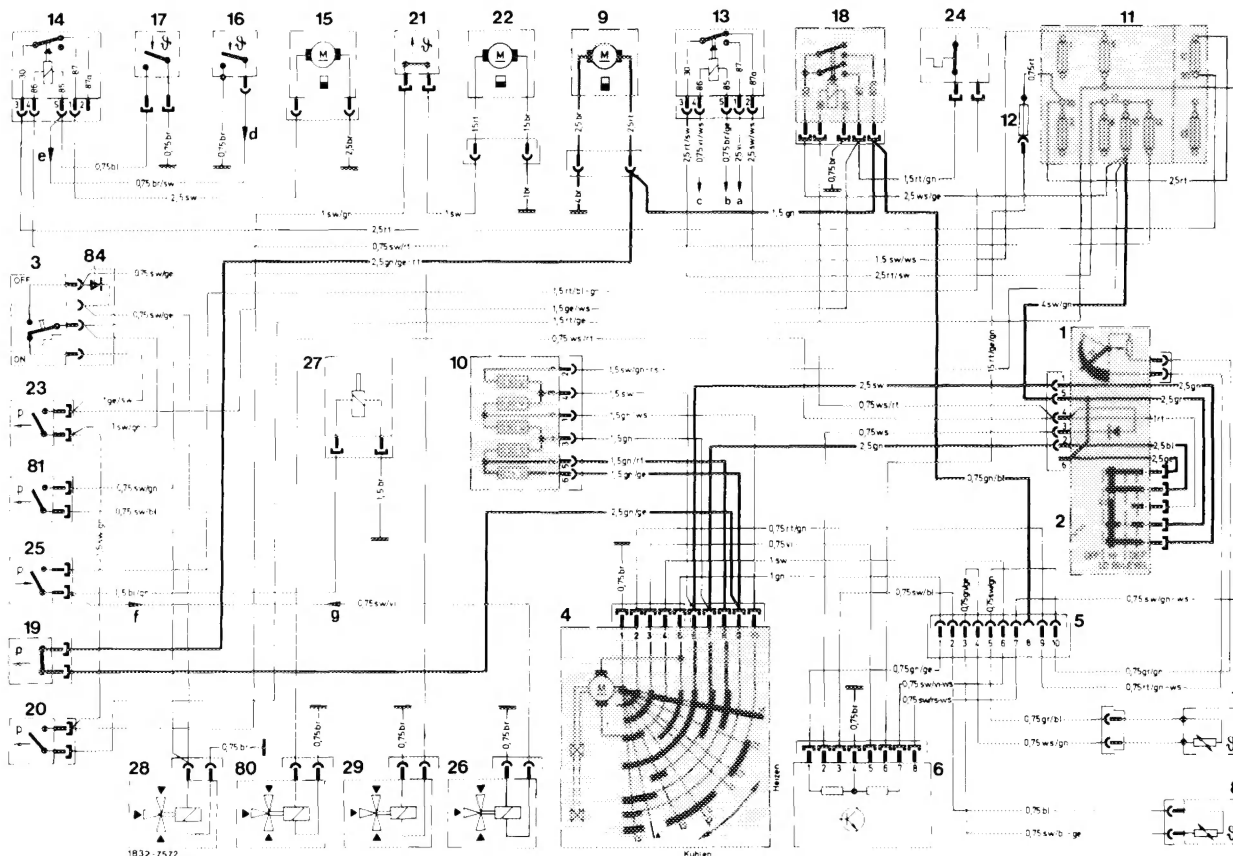
- |   |   |
|---|---|
| 1 Temperature dial  | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)   |
| 2 Pushbutton switch   | 21 Temperature switch for heating water pump (22)<br>16 °C (61 °F) ON, 26 °C (79 °F) OFF  |
| 3 "ON/OFF" switch refrigerant compressor  | 22 Heating water pump   |
| 4 Regulating valve  | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)   |
| 5 10-point plug connection for tester   | 24 ETR-switch 2 °C (36 °F)  |
| 6 Amplifier   | 25 Pressure switch refrigerant compressor<br>ON 2.6 bar gauge pressure (2.6 atu)<br>OFF 2.0 bar gauge pressure (2.0 atu)  |
| 7 In-car temperature sensor   | 26 Switchover valve for constant speed (engine 110.984 only)  |
| 8 Ambient temperature sensor  | 27 Electromagnetic clutch for refrigerant compressor  |
| 9 Blower  | 28 Switchover valve for vacuum element of legroom flaps   |
| 10 Pre-resistance for blower  | 29 Switchover valve for vacuum element of fresh air-recirculated air flap   |
| 11 Main fuse box<br>Fuse 5 : 8 amps (standard fuse 86)<br>Fuse 10 : 16 amps<br>Fuse 12 : 8 amps<br>Fuse c : 16 amps | 80 Switchover valve "BI-LEVEL" (at "DEF")   |
| 12 Additional fuse for amplifier (2 amps)   | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)   |
| 13 Relay air conditioning system  | 84 Diode<br>a Cable connector starter terminal 50<br>b Starter lockout and back-up lamp switch<br>c Ignition starter switch terminal 50<br>d Via relay ignition switchover terminal 85<br>e Via relay decoupling terminal 30<br>f Via relay ignition switchover terminal 87a<br>g Via relay ignition switchover terminal 30 |
| 14 Relay auxiliary fan  |   |
| 15 Auxiliary fan  |   |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan                                       |   |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan                                       |   |
| 18 Double contact relay   |   |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)                                 |   |



Wiring diagram 15

Regulating valve control (ignition off, regulating valve in position "P 2")

- |   |   |
|---|---|
| 1 Temperature dial  | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)                         |
| 2 Pushbutton switch   | 21 Temperature switch for heating water pump (22)   |
| 3 "ON/OFF" switch refrigerant compressor  | 16 °C (61 °F) ON, 26 °C (79 °F) OFF   |
| 4 Regulating valve  | 22 Heating water pump   |
| 5 10-point plug connection for tester   | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 6 Amplifier   | 24 ETR-switch 2 °C (36 °F)  |
| 7 In-car temperature sensor   | 25 Pressure switch refrigerant compressor   |
| 8 Ambient temperature sensor  | ON 2.6 bar gauge pressure (2.6 atu)   |
| 9 Blower  | OFF 2.0 bar gauge pressure (2.0 atu)  |
| 10 Pre-resistance for blower  | 26 Switchover valve for constant speed (engine 110.984 only)  |
| 11 Main fuse box  | 27 Electromagnetic clutch for refrigerant compressor  |
| Fuse 5 : 8 amps (standard fuse 86)  | 28 Switchover valve for vacuum element of legroom flaps   |
| Fuse 10 : 16 amps   | 29 Switchover valve for vacuum element of fresh air-recirculated air flap   |
| Fuse 12 : 8 amps  | 30 Switchover valve "BI-LEVEL" (at "DEF")   |
| Fuse c : 16 amps  | 31 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)                             |
| 12 Additional fuse for amplifier (2 amps)   | 32 Diode  |
| 13 Relay air conditioning system  | a Cable connector starter terminal 50   |
| 14 Relay auxiliary fan  | b Starter lockout and back-up lamp switch   |
| 15 Auxiliary fan  | c Ignition starter switch terminal 50   |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan       | d Via relay ignition switchover terminal 85   |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan       | e Via relay decoupling terminal 30  |
| 18 Double contact relay   | f Via relay ignition switchover terminal 87a  |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) | g Via relay ignition switchover terminal 30   |



Wiring diagram 16

Blower control, stage 2 "HI" (regulating valve in position 4)

- |   |   |
|---|---|
| 1 Temperature dial  | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)                         |
| 2 Pushbutton switch   | 21 Temperature switch for heating water pump (22)   |
| 3 "ON/OFF" switch refrigerant compressor  | 22 Heating water pump   |
| 4 Regulating valve  | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 5 10-point plug connection for tester   | 24 ETR-switch 2 °C (36 °F)  |
| 6 Amplifier   | 25 Pressure switch refrigerant compressor   |
| 7 In-car temperature sensor   | ON 2.6 bar gauge pressure (2.6 atu)   |
| 8 Ambient temperature sensor  | OFF 2.0 bar gauge pressure (2.0 atu)  |
| 9 Blower  | 26 Switchover valve for constant speed (engine 110.984 only)  |
| 10 Pre-resistance for blower  | 27 Electromagnetic clutch for refrigerant compressor  |
| 11 Main fuse box  | 28 Switchover valve for vacuum element of legroom flaps   |
| Fuse 5 : 8 amps (standard fuse 86)  | 29 Switchover valve for vacuum element of fresh air-recirculated air flap   |
| Fuse 10 : 16 amps   | 80 Switchover valve "BI-LEVEL" (at "DEF")   |
| Fuse 12 : 8 amps  | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)                             |
| Fuse c : 16 amps  | 84 Diode  |
| 12 Additional fuse for amplifier (2 amps)   | a Cable connector starter terminal 50   |
| 13 Relay air conditioning system  | b Starter lockout and back-up lamp switch   |
| 14 Relay auxiliary fan  | c Ignition starter switch terminal 50   |
| 15 Auxiliary fan  | d Via relay ignition switchover terminal 85   |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan       | e Via relay decoupling terminal 30  |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan       | f Via relay ignition switchover terminal 87a  |
| 18 Double contact relay   | g Via relay ignition switchover terminal 30   |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) |   |